

FORM PTO-1390
(REV 10-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

CU-2508 RJS

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

09/830242

INTERNATIONAL APPLICATION NO.
PCT/DK99/00558INTERNATIONAL FILING DATE
15 October 1999PRIORITY DATE CLAIMED
27 October 1998TITLE OF INVENTION
AN INSOLE WITH FABRICAPPLICANT(S) FOR DO/EO/US
Soren VINDRIIS

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).
4. ☐ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 16 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment. w/markd pages of application
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☒ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:
 Appointment of Associate Attorneys

Express Mail Label No.:

L 698 180725

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17. ☒ The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :**

Neither international preliminary examination fee (37 CFR 1.482)
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
and International Search Report not prepared by the EPO or JPO \$1000.00

International preliminary examination fee (37 CFR 1.482) not paid to
USPTO but International Search Report prepared by the EPO or JPO \$860.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but
international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)
but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)
and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =**CALCULATIONS** PTO USE ONLY

\$ 860.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(e)).

\$

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	5 - 20 =	0	X \$18.00
Independent claims	1 - 3 =	0	X \$80.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$270.00

\$

\$

\$

TOTAL OF ABOVE CALCULATIONS =

\$ 860.00

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above
are reduced by 1/2.

\$ 430.00

SUBTOTAL =

\$ 430.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(f)).

\$

+

TOTAL NATIONAL FEE =

\$ 430.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

\$

+

TOTAL FEES ENCLOSED =

\$ 430.00

Amount to be
refunded:
charged:

\$

\$

a. ☒ A check in the amount of \$ 430.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.

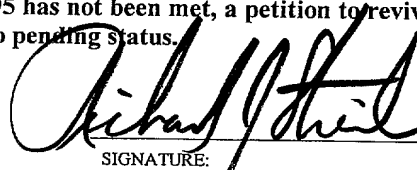
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 12-0400. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR
1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Ladas & Parry
224 South Michigan Avenue
Suite 1200
Chicago, Illinois 60604
(312) 427-1300

April 24, 2001



SIGNATURE:

Richard J. Streit

NAME

25765

REGISTRATION NUMBER

09/830242

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2012 Rev'd PCT/PTO 2 4 APR 2001

DOCKET: CU-2508

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

APPLICANT: Soren VINDRIIS)
)
TITLE: AN INSOLE WITH FABRIC)
)
COMPLETION OF PCT/DK99/00558 filed 15 October 1999)

The Assistant Commissioner for Patents
Box PCT
Washington, D.C. 20231

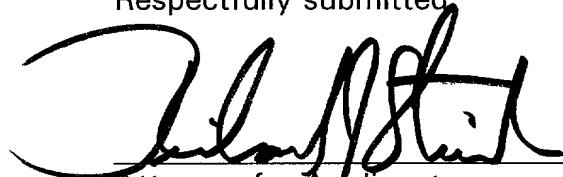
PRELIMINARY AMENDMENT

Dear Sir:

The Examiner is requested to base examination of the above U.S. patent application on the application as amended during Chapter II proceedings in the PCT, and which also include minor amendments as shown on the attached marked pages.

A substitute specification, including claims and abstract is attached herewith which reflect and include the foregoing amendments.

Respectfully submitted,



Attorney for Applicant

April 24, 2001

Date

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REPLACEMENT SHEET

04 OKT. 2000

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An insole with fabric

The present invention relates to an insole for footwear as described in the preamble of claim 1

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The soles are intended for the relief of the foot, in particular the sole of the foot, by pressure equalisation, as pain in the foot and the sole of the foot in most cases is caused by concentration of pressure. Known soles use liquid contained in one or more cavities. The pressure of the contained liquid is approximately constant, and the soles will then allocate the pressure from the foot over a larger area, whereby pain in the foot or the sole of the foot is reduced. However, it is known that many kinds of material during constant load even below the yield point show permanent cold flow or creep.

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The soles also have the disadvantage, that they cold flow or creep due to the continuing load, to which the soles are exposed. Thereby, the inner volume of the cavities increases so that the pressure-equalising effect is reduced and, along with that, the pain relieving effect. Furthermore, the temperature in footwear is between 20°C and 40°C, in which temperature range, the used plastic foils show a relatively large coefficient of expansion for heat and a relatively large change of elasticity. As a result, the relief decreases as the sole gets warmer.

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DE 40 01 542 describes such a sole, where the cavities are filled with a gas. By using a gas, a higher degree of shock absorption and/or continuing pressure equalisation is obtained, but the gas is more volatile than a liquid. Therefore, it is important that those foils which are used in such a sole have a sufficient low permeability for the used gas. To decrease the permeability and at the same time to increase the strength with regard to creep, the possibility of incorporating a film of, for example, polyethylene or polyurethane in the foils forming the cavities is described. This increases partly the impermeability of the foils and partly the strength with regard to creep. The strength with

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REPLACEMENT SHEET

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regard to creep comes about by formation of a chemical coupling between the plastic making up the foil and the film contained in the foils.

5 It is a disadvantage that it is necessary to enclose the film in the foils, and for cavities filled with gas, diffusion of the gas is a much bigger problem than creep. The selection of material for the film and the way the film is enclosed in the foils is, therefore, primarily directed towards the purpose of increasing the impermeability rather than increasing the strength with regard to creep. This influences the selection of material, the selection of technique for joining the film and the foil, and the choice that the film is
10 enclosed in the foils.

According to prior art, insoles are known to be covered with different kind of fabric. However, the function of this kind of coverage, as for instance described in US-patents no. 5 067 255, no. 4 017 931, and no. 5 025 575 is to increase the comfort. From US-
15 patent no. 3 703 169, an insole is known with an upper layer that is bonded to the insole by means of an adhesive. The upper layer is formed of a material to facilitate the easy insertion of the wearer's foot into the shoe. The fabric covers described in these patents have no described influence on the stability of the insoles.

20 From US-patent 4 906 502, a pressurised insole is known, where the insole is equipped with a fabric inside the insole to maintain the planar structure of the pressurised insole. However, the fabric does not prevent creep of the outer covering.

It is the object of the present invention to provide an insole that is primarily intended
25 for cavities filled with liquid, and where the strength with regard to creep of the foils is essentially higher than for known soles, irrespective of whether they are intended for liquids, gasses or gels.

This object is accomplished with an insole as described in the characterising part of
30 claim 1.

REPLACEMENT SHEET

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An insole, where the foils are equipped with a fabric instead of discrete fibres and where the joining is done mechanically, implies that it is possible to undertake a precise increment of the mechanical strength of the foils by selection of specific materials and specific textures of the fabric, and also by selection of a certain orientation of the fabric in connection with the foil and in connection with the finally fabricated sole.

The selection of fabric depends primarily on the tensile strength of the fibres in the fabric because the strength of the foil joined with the fabric among other factors depends on the tensile strength of the fibres. The selection of the fabric can also, or together with, depend on the want to increase the friction between the sole and the inside of the footwear and the want to decrease the friction between the sole and the foot in the footwear. Increase of the friction between the fabric on the bottom foil and the inside of the footwear results in a much better securing of the sole in the footwear than if the friction was due to the bottom foil and the footwear. Decrease of the friction between the fabric on the top foil and the foot results in an easier gliding of the foot on the sole, which reduces the frictional heat, which arises from running or walking.

The invention will hereafter be described more detailed with reference to the accompanying drawing that shows a sectional view of an embodiment of an insole according to the invention.

The sole comprises a top foil 1 and a bottom foil 2. The top foil 1 and the bottom foil 2 are joined along the edge region 3, and between the top foil and the bottom foil a cavity 4 is formed. The cavity is filled with liquid 5, for example water. The cavity 4 can also be filled with a gel, and also other liquids than water can be contained in the cavity 4. In the shown embodiment, the top foil 1 as well as the bottom foil 2 are equipped with fabrics 6, 7. The fabrics 6, 7 are joined with the foils 1, 2 so that the fabrics 6, 7 extend on an outer side 8, 9 of the foils 1, 2. Underneath the sole, the bottom 10 of a footwear is shown, and above the sole, a foot 11 with a sock 12 or a stocking is shown.

REPLACEMENT SHEET

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5 The fabrics 6, 7 are joined with the foils 1, 2, preferentially with the fibres 13, 14 in the fabrics 6, 7 situated outside an outer side of the foils. The fabrics 6, 7 are in the shown embodiment joined with the foils 1, 2 by placing a film adhesive between the outer side of the foils 1, 2 and the fabrics 6, 7. The joining is done before the foils 1, 2 are joined to form the sole.

10 The joining can also be done in a way that the fabrics 6, 7 are partly enclosed in the foils 6, 7. The fabrics 6, 7 are, thus, joined with the foils 1, 2 by heating the foils 1, 2 whereafter the fabrics 6, 7 are pressed partly into the foils 1, 2. In an alternative embodiment, however, the fabrics 6, 7 can be joined such that the fabrics are entirely enclosed in the foils 1, 2. The fabrics are, thus, joined with the foils 1, 2 by heating the foils 1, 2 whereafter the fabrics 6, 7 are pressed entirely into the foils 1, 2.

15 The foils 1, 2 are made from plastic. Joining of the foils 1, 2 along the edge region is accomplished by hot welding or high frequency welding where the top foil 1 and the bottom foil 2 are pressed together along the edge region 3 at the same time. By the welding, a bead 15 is formed extending inwards into the cavity 4. The bead 15 is formed because the material floats inwards at the location where the welding and the pressing takes place. When liquid 5 or gel subsequently is filled in between the top
20 foil 1 and the bottom foil 2, the cavity 4 is formed.

25 By the formation of the cavity 4, the top foil 1 gets stretched. The thickness t of the material along that part of the top foil 1, which extend in the near vicinity of and from the welding has a thickness which is smaller than the thickness T of the material in the remaining part of the top foil 1. Under load, there is, along that part of the top foil which is stretched, a risk for breakage as a result of creep that can occur in that part, where the strength of the top foil is decreased because of the smaller material thickness t .

30 The fabrics 6, 7 can be of any kind of fabric with fibres 13, 14. The fabrics 6, 7 can be made of synthetic materials as polyester or of natural materials as cotton, or a mixture of fibres of different materials. Furthermore, the fabrics 6, 7 can be woven fabrics,

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knitted fabrics, or non-woven fabrics. As mentioned, the fabrics 6, 7, extend outside the outer sides 8, 9 of the foils 1, 2.

The fabrics 6, 7 are selected due to given mechanical and physical characteristics. Primarily, it is important that the fibres 13, 14 in the fabrics 6, 7 and the fabrics 6, 7 themselves in the plane of the fabrics 6, 7 have a tensile strength which is higher than the comparable tensile strength of the foils 1, 2 so to ensure a reduction or elimination of creep. Secondly, the fabrics 6, 7 are selected to make allowance for needs and wants for friction, moisture absorption and other factors in connection with comfort for the foot. Thus, the fabric 14 in the bottom foil 2 is selected secondarily to provide a high frictional coefficient between that part of the fabric that extends outside the bottom foil 2 and the bottom 10 of the foot wear. The fabric 13 in the top foil 1 on the other hand is selected secondarily to provide a low frictional coefficient between that part of the fabric 13 which extends outside the top foil 1 and the foot 11.

The foot 11 is normally furnished with an article clothing as, for example, a cotton sock or a nylon. The fabric 13 and the material of which the fabric 13 is made is, therefore, selected based on the want of a low frictional coefficient in connection with conventional textile used for socks and stockings. Furthermore, the fabric 13 on the top foil 1 can be impregnated with a fungicide to reduce the risk for epidermophytosis.

The invention is described above with reference to a sectional view of a sole according to the invention. The sectional view is only a schematic picture of a section through a sole in as much as other soles according to the invention could look different depending on where in the sole the section is made. Also, the configuration of the cavity 4 and the distribution of eventual further cavities can imply that the sectional view is different at other locations in the sole or in other soles. Furthermore, it can occur for some sections, that there is no cavity along that section, which also is dependent on, where in the sole the section is located. It is also possible to produce soles with one or more intermediate foils placed between the top foil and the bottom foil and eventually provided with fabrics. It is possible to provide only the top foil, only the intermediate foil, or only the bottom foil with fabric.

REPLACEMENT SHEET

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Furthermore, it is possible to provide the foils 1, 2 with several fabrics with different mechanical and physical characteristics to selectively make allowance for primarily the strength of the fibres 13, 14 and the fabrics 6, 7 and secondarily the frictional coefficient between the fibres, the fabrics, the bottom of the footwear, the sock and/or the foot. This can imply that at least two fabrics with different fibres or different weaves are used in the same foil or, respectively, in the top foil or bottom foil. In this case, one fabric completely contained in the foil can be provided causing strength and a second fabric, which, as shown, is found at the outer side 8, 9, of the foils or is only partly contained in the foils 1, 2, concerns the frictional coefficient at the bottom of the footwear, respectively the foot, eventually with sock or stocking.

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REPLACEMENT SHEET

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CLAIMS

1. An insole for footwear comprising a plastic top foil (1) and a plastic bottom foil (2) and one or more cavities (4), which are formed between the top foil (1) and the bottom foil (2) and filled with a liquid or a gel, and where the top foil (1) and the bottom foil (2) are impermeable with respect to the liquid (5) and are joined together at least along the edge region (3), wherein the top foil (1) as well as the bottom foil (2) are equipped with a fabric (6, 7) extending to the whole of the extend of the foil between the regions (3), where the topfoil (1) is joined with the bottom foil (2), wherein the fabric (6, 7) extends parallel with the foil (1, 2), preferentially extends outside the outer side of the foil (1, 2), and where the fabric (6, 7) is joined with the foil (1, 2) by mechanical joining, characterised in that the fabric (6, 7) is joined with the foil (1, 2) by enclosure in the foil to reinforce the mechanical strength of the foil, where the foil (1, 2) initially is heated up, where the fabric (6, 7) subsequently is pressed partly or totally into the foil (1, 2), where the foil (1, 2) finally is cooled down, whereby that part of the fabric (6, 7), which is pressed into the foil (1, 2), is enclosed in the foil (1, 2).
2. An insole as claimed in any one of the preceding claims characterised in that the bottom foil (2) is equipped with a fabric (7) which with respect to an substantially smooth surface in the bottom of a footwear has a frictional coefficient which is larger than the frictional coefficient of the bottom foil (2) with respect to the substantially smooth surface in the bottom (10) of the footwear.
3. An insole as claimed in any one of the preceding claims characterised in that the top foil (1) is equipped with a fabric (6) which with respect to textile (12) as cotton, polyester or nylon has a frictional coefficient which is lower than the frictional coefficient for the top foil (2) with respect to the textile.
4. An insole as claimed in any one of the preceding claims characterised in that the fabric (6, 7) is made of fibers and is woven such that the fabric (6, 7) in every direction in the plane of the fabric (6, 7) has a tensile strength that is higher than the tensile strength for the foil (1, 2) in any direction planar with the foil.

REPLACEMENT SHEET

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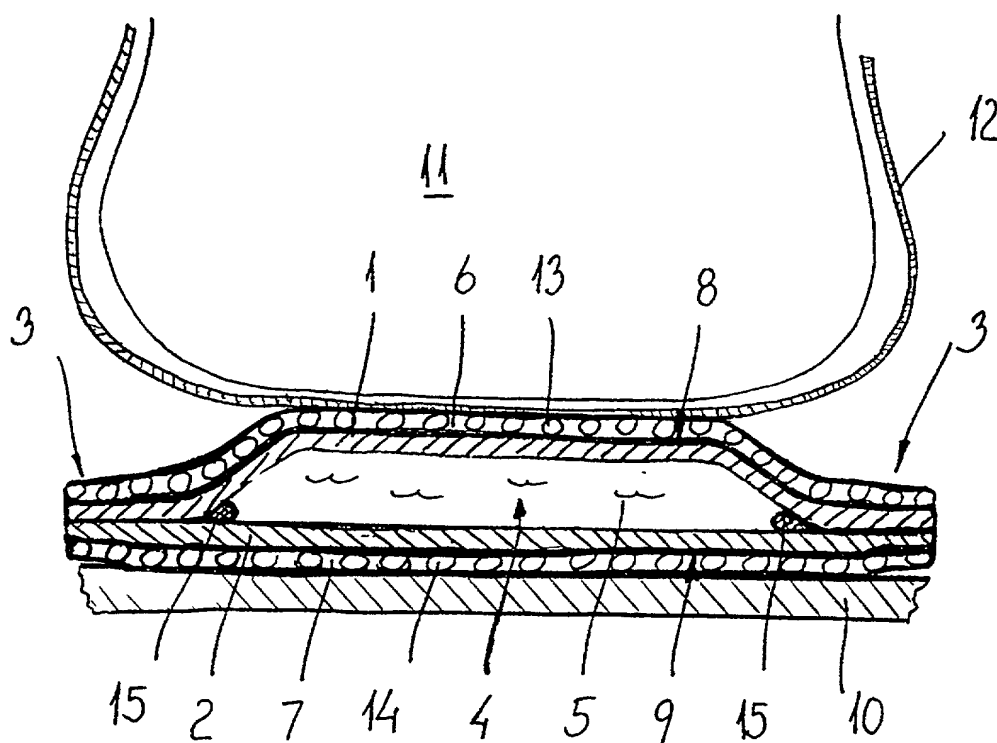
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direction in the plane of the fabric (6, 7) has a tensile strength that is higher than the tensile strength for the foil (1, 2) in any direction planar with the foil.

5. An insole as claimed in any one of the preceding claims characterised in
5 that the fabric (6) which is joined with the top foil (1) is impregnated with a fungicide.

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COMBINED DECLARATION AND POWER OF ATTORNEY*(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION OR CIP)*

As a below named inventor, I hereby declare that:

TYPE OF DECLARATIONThis declaration is of the following type: *(check one applicable item below)*

- ☐ original
☐ design
☐ supplemental

Note: If the Declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- ☒ national stage of PCT

Note: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP.

- ☐ divisional
☐ continuation
☐ continuation-in-part (CIP)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

An Insole with Fabric

SPECIFICATION IDENTIFICATIONthe specification of which: *(complete (a), (b) or (c))*

- ☒ (a) is attached hereto.
☐ (b) was filed on _____ as ☐ Serial No. _____ or ☐ Express Mail No. *(as Serial No. not yet known)* _____ and was amended on _____ *(if applicable)*.

Note: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the Declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental Declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

- ☒ (c) was described and claimed in PCT International Application No. PCT/DK99/00558 filed on 15 Oct 1999 and as amended under PCT Article 19 on _____ *(if any)*.

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ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

(also check the following items, if desired)

- ☐ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
- ☐ in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119(a)-(d))

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- ☐ (d) no such applications have been filed.
- ☒ (e) such applications have been filed as follows.

Note: Where item (c) is entered above and the international application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day/month/year)	PRIORITY CLAIMED UNDER 35 USC 119
Denmark	PA 1998 01382	27 Oct. 1998	<input checked="" type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	FILING DATE

ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Note: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith *(list name and registration number)*.

Thomas F. Peterson, 24790; Richard J. Streit, 25765; Timothy J. Keefer, 35567; Dennis K. Scheer, 39356; Douglas S. Rupert, 44434; Steven L. Schmid, 39358; Paul B. West, 18947; Joseph H. Handelman, 26179; Peter D. Galloway 27885; John Richards, 31503; Iain C. Baillie, 24090; Richard P. Berg, 28145.

- ☐ Attached, as part of this declaration and power of attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO:

Thomas F. Peterson
c/o Ladas & Parry
224 South Michigan Avenue
Chicago, Illinois 60604

DIRECT TELEPHONE CALLS TO:

(Name and telephone number)

(312) 427-1300

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Note: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

Full name of sole or first inventor

Søren

(Given Name)

(Middle Initial or Name)

Vindriis

(Family (or Last) Name)

Inventor's signature

Date 26-03-2001 Country of Citizenship Denmark

Residence Same as post office address

Post Office Address Tulipanparken 43, DK-8700 Horsens, Denmark

Full name of second joint inventor, if any

(Given Name)

(Middle Initial or Name)

(Family (or Last) Name)

Inventor's signature

Date Country of Citizenship

Residence

Post Office Address

Full name of third joint inventor, if any

(Given Name)

(Middle Initial or Name)

(Family (or Last) Name)

Inventor's signature

Date Country of Citizenship

Residence

Post Office Address

DOCKET: CU-2508

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

APPLICANT: Soren VINDRIIS)
)
 TITLE: AN INSOLE WITH FABRIC)
)
 COMPLETION OF PCT/DK99/00558 filed 15 October 1999)

The Assistant Commissioner for Patents
 Washington, D.C. 20231

APPOINTMENT OF ASSOCIATE ATTORNEYS

Dear Sir:

The undersigned Attorney for Applicant in the above identified application for Letters Patent, hereby appoints individually and collectively as my Associate Attorneys, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent & Trademark Office connected therewith:

Donald P. Reynolds, Reg. 26220
 W. Dennis Drehkoff, Reg. 27193
 Vangelis Economou, Reg. 32341
 Brian W. Hameder, Reg. 45613

Please address and send all correspondence to:

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 224 South Michigan Avenue
 Chicago, Illinois 60604
 (312) 427-1300

April 24, 2001
 Date



Attorney for Applicant

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